Preliminary Classification:

Proposed Class:

Subclass:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Kenneth Perlin; Daniel A. Rosenfeld; Joel S. Kollin

For (title): MANIPULATION OF OBJECTS

1. Type of Application

This application is for an original (nonprovisional).

2. Papers Enclosed

A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

30 Page(s) of Specification

EXPRESS MAILING UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date April 9, 2004, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee" Mailing Label No. EL700962484US.

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Tracey L. Milka

Type or print name of person mailing paper

Signature of person certifying

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

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[&]quot;Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

3 Page(s) of Claims 17 Sheet(s) of Drawing(s)--Formal

B. Other Papers Enclosed

1 Page(s) of abstract

3. Declaration or Oath

Not Enclosed.

Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all of the above-named inventors.

4. Inventorship Statement

The inventorship for all the claims in this application is the same.

5. Language

English

6. Assignment

An assignment of the invention to New York University will follow.

7. Fee Calculation (37 C.F.R. § 1.16)

Regular Application

CLAIMS AS FILED											
	Number Filed	Number Extra			Rate			Basic Fee 37 C.F.R. § 1.16(a) 770.00			
Total Claims (37 C.F.R. § 1.16(c))	15		20	=	0	х	\$	18.00	=	\$	0.00
Independent Claims (37 C.F.R § 1.16(b))	4	_	3	=	1	x	\$	86.00	=	\$	86.00
Multiple Depende if any (37 C.F.F	• • •					+	\$	290.00	=	\$	0.00

Filing Fee Calculation

\$856.00

8. Assertion of Small Entity Status

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27.

Status as a small entity was asserted in the prior application 60/463,496 filed on April 17, 2003, from which benefit is being claimed for this application under 35 U.S.C. § 119(e) and which status as a small entity is still proper and asserted for this application.

Filing Fee Calculation (50% of above Filing Fee Calculation)

\$428.00

9. Fee Payment Being Made at This Time

Enclosed

Filing Fee \$428.00

Total Fees Enclosed \$428.00

10. Method of Payment of Fees

Attached is a check in the amount of \$428.00. A duplicate of this paper is attached.

11. Instructions as to Overpayment

Credit Account No. 19-0737.

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED (37 C.F.R. § 1.78)

12. Relate Back

Amend the specification by inserting, before the first line following the title, the following sentence:

A. 35 U.S.C. § 119(e)

"This application claims the benefit of U.S. Provisional Application No.:

APPLICATION NO.

FILING DATE

60/463,496

04/17/2003"

Language of prior filed provisional application

The above identified prior filed provisional application, namely application 60/463,496, filed 04/17/2003, whose benefit is being claimed was filed in the English language.

13. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed

(a) This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventors in this application are the same.

14. Small Entity (37 C.F.R. Section 1.28(a))

Applicant has established small entity status by the filing of a statement in parent application 60/463,496 on April 17, 2003.

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Pittsburgh, PA 15213

412-621-9222